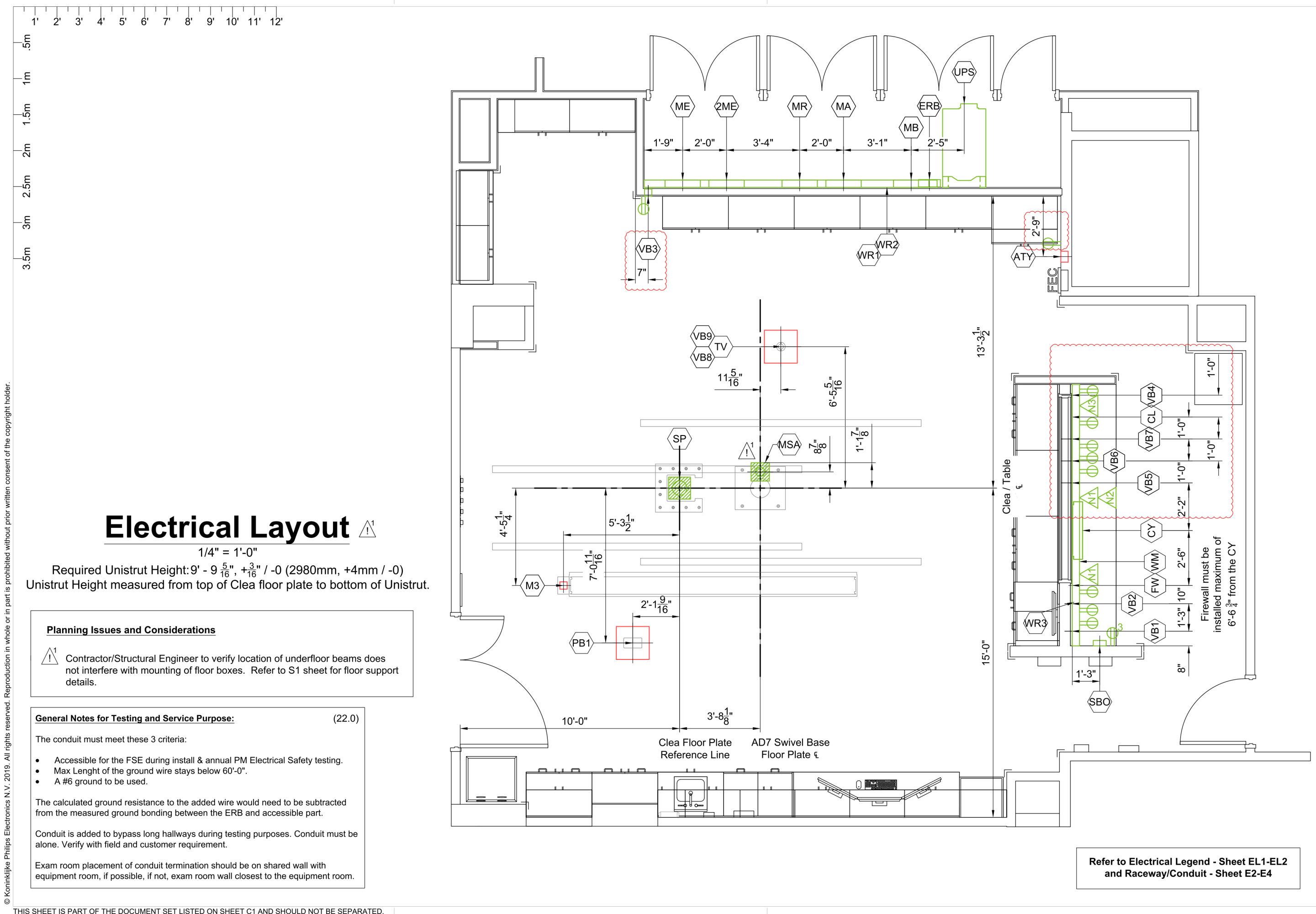


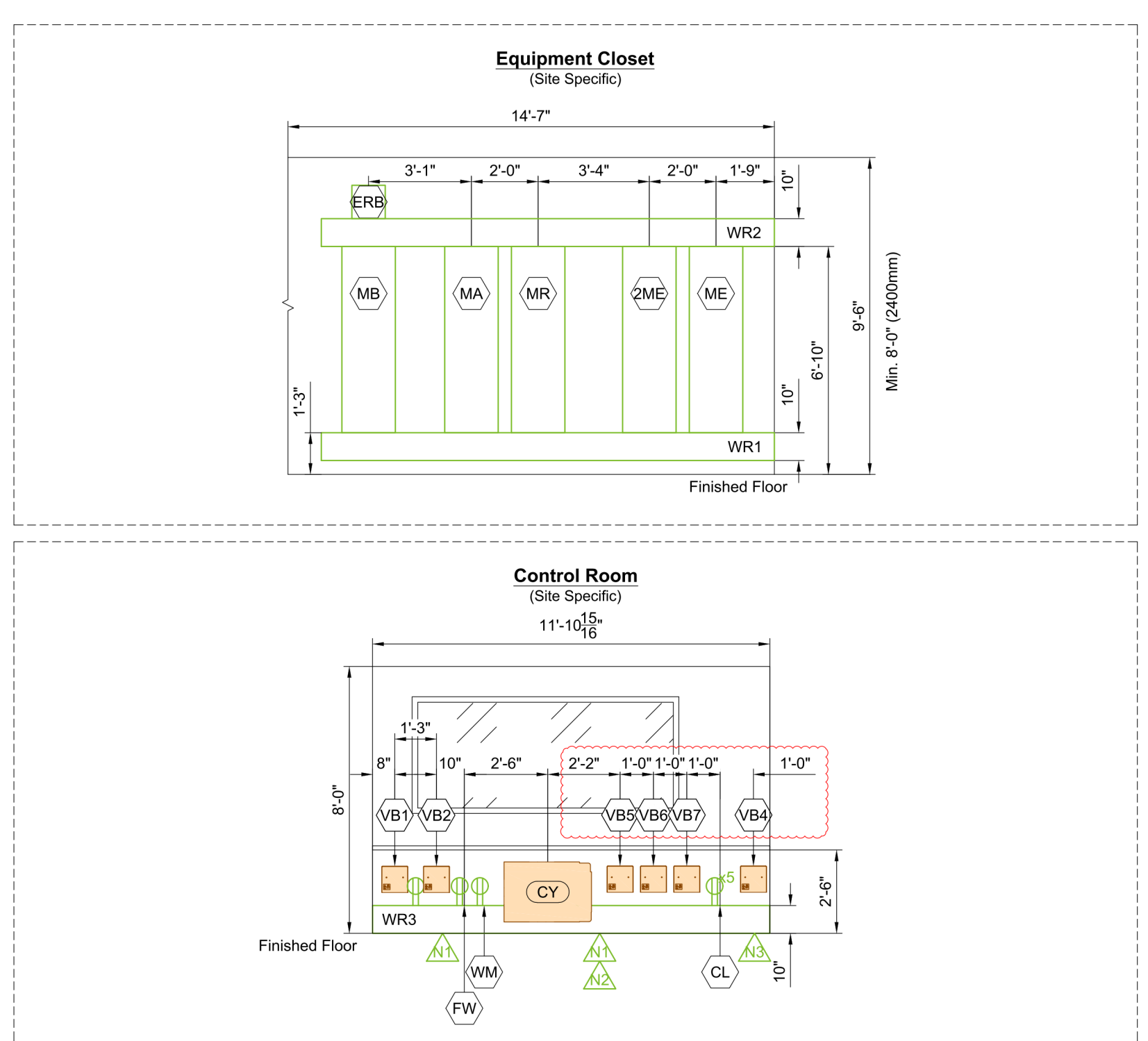
PHILIPS

Project Details
Project: Azurion 7 B2012, B2015 - Swivel - Intermountain Medical Center
Drawing Number: N-WES210091 E
Date: 1-27-2023
Author: R. Rajavelu
Checked: R. Rajavelu
Scale: As Shown



PHILIPS

Project Details
Project: Azurion 7 B2012, B2015 - Swivel - Intermountain Medical Center
Drawing Number: N-WES210091 E
Date: 1-27-2023
Author: R. Rajavelu
Checked: R. Rajavelu
Scale: As Shown



Note: The use of 90 degree ell is not acceptable. Use 45 degree bends at all raceway corners. For raceway (conduit) runs, use the minimum bending radius specific to the raceway (conduit) diameter. The use of crossover turnouts at all applicable locations is required. The above mentioned recommendations will help to ensure the integrity of the cables and fiber optic runs.

Countertop Height Guide:
• 30" (762mm) for standard seated height.
• 36" (914mm) for standard standing height.
• Ensure that the wall junction boxes are mounted perpendicular to the floor.
• Verify exact ceiling height of Equipment and Control Room Area.
• Architect to coordinate with users/technicians to determine final placement of control desk components prior to installation in order to avoid rework. Architect to coordinate with Philips Project Manager to reflect final placement on Philips drawings.

PHILIPS

Project Details
Project: Azurion 7 B2012, B2015 - Swivel - Intermountain Medical Center
Drawing Number: N-WES210091 E
Date: 1-27-2023
Author: R. Rajavelu
Checked: R. Rajavelu
Scale: As Shown

Raceway (Conduit) Required		Raceway (Conduit) Required						
General Notes								
1. All raceway (conduit) runs must take most direct route point to point. A Greenline pull string/measuring tape (part no. 435, or equivalent) must be provided with raceway (conduit) runs.		1. All raceway (conduit) runs must take most direct route point to point. All raceway (conduit) runs must have a pull string.						
A Raceway (Conduit) supplied/installed by contractor - Philips cables installed by Philips		A Raceway (Conduit) supplied/installed by contractor - Philips cables installed by Philips						
B Raceway (Conduit) supplied/installed by contractor - Philips cables installed by contractor		B Raceway (Conduit) supplied/installed by contractor - Philips cables installed by contractor						
C Raceway (Conduit) and cables supplied and installed by contractor		C Raceway (Conduit) and cables supplied and installed by contractor						
D Raceway (Conduit) existing - cables supplied and installed by Philips		D Raceway (Conduit) existing - cables supplied and installed by Philips						
E Raceway (Conduit) existing - cables supplied by Philips and installed by contractor		E Raceway (Conduit) existing - cables supplied by Philips and installed by contractor						
F Raceway (Conduit) existing - cables supplied and installed by contractor		F Raceway (Conduit) existing - cables supplied and installed by contractor						
G Optional equipment, verify with local Philips Service		G Optional equipment, verify with local Philips Service						
Run No.	From	To	Quantity	Raceway (Conduit) Type	Cable Type	Minimum Raceway (Raceway) Size	Maximum Raceway (Raceway) Conduit Length	Special Requirements
C 1	ERB	GE	1	G	1"	8'		
C 2	ERB	Room Outputs	1	G	1"			See Sheet "ED2" for details.
C 3	MA	WB	1	P	1"	55'		
C 4	ATY	DS	1	S	1"	55'		
A 5	ATY	MA	1	S	2 1/2"	41'		
A 6	ATY	TV	1	S	1"	65'		
A 7	SP	ME	2	C	1 1/2"	44'		Tube Cooling Hoses.
A 8	SP	ME	1	PVG	1 1/2"	52'		
A 9	SP	ME	1	S	1"	52'		
A 10	SP	ME	1	H	2 1/2"	50'		High Tension Cables.
A 11	SP	MR	1	PVG	2"	47'		
A 12	SP	MR	1	S	2 1/2"	47'		
A 13	SP	MA	1	S	2"	50'		
A 14	MSA	MA	1	S	3"	39'		
A 15	MSA	MA	1	P	1 1/2"	39'		
A 16	MSA	MR	1	PVG	2"	39'		
A 17	MSA	MR	1	S	2"	39'		
A 18	TV	MA	1	P	1 1/2"	55'		
A 19	TV	MA	1	S	2 1/2"	55'		
A 20	TV	MR	1	P	2"	55'		
A 21	TV	MB	1	S	1 1/2"	55'		For FlexVision XL.
A 22	TV	MB	1	PVG	1 1/2"	55'		
A 23	TV	VM	1	S	1"	65'		For Interm.
A 24	CY	MR	1	S	2"	55'		Conduits to land on wall raceway adjacent to CY.
A 25	CY	MA	1	PVG	1 1/2"	55'		Conduits to land on wall raceway adjacent to CY.
A 26	CY	MA	1	S	2 1/2"	55'		Conduits to land on wall raceway adjacent to CY.
A 27	MR	VM	1	S	1 1/2"	82'		Conduits to land on wall raceway adjacent to CY.
A 28	PB1	ZME	1	H	2 1/2"	47'		High Tension Cables.
A 29	PB1	ZME	1	S	1"	49'		
A 30	PB1	ZME	1	PVG	1"	49'		

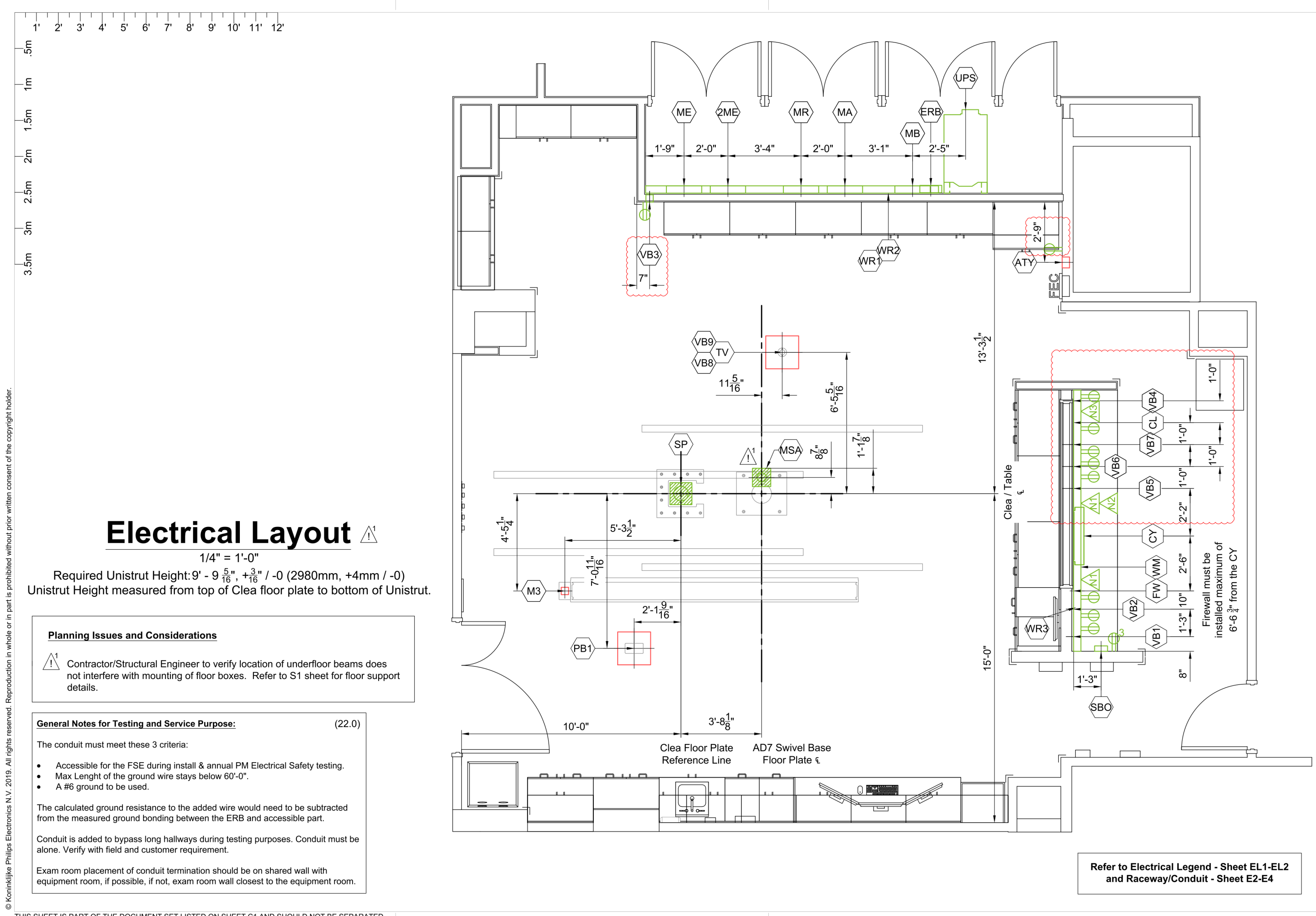
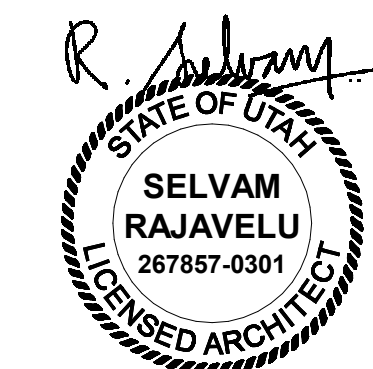
PHILIPS

Project Details
Project: Azurion 7 B2012, B2015 - Swivel - Intermountain Medical Center
Drawing Number: N-WES210091 E
Date: 1-27-2023
Author: R. Rajavelu
Checked: R. Rajavelu
Scale: As Shown

Raceway (Conduit) Required		Raceway (Conduit) Required						
General Notes								
1. All raceway (conduit) runs must take most direct route point to point. A Greenline pull string/measuring tape (part no. 435, or equivalent) must be provided with raceway (conduit) runs.		1. All raceway (conduit) runs must take most direct route point to point. All raceway (conduit) runs must have a pull string.						
A Raceway (Conduit) supplied/installed by contractor - Philips cables installed by Philips		A Raceway (Conduit) supplied/installed by contractor - Philips cables installed by Philips						
B Raceway (Conduit) supplied/installed by contractor - Philips cables installed by contractor		B Raceway (Conduit) supplied/installed by contractor - Philips cables installed by contractor						
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D Raceway (Conduit) existing - cables supplied and installed by Philips		D Raceway (Conduit) existing - cables supplied and installed by Philips						
E Raceway (Conduit) existing - cables supplied by Philips and installed by contractor		E Raceway (Conduit) existing - cables supplied by Philips and installed by contractor						
F Raceway (Conduit) existing - cables supplied and installed by contractor		F Raceway (Conduit) existing - cables supplied and installed by contractor						
G Optional equipment, verify with local Philips Service		G Optional equipment, verify with local Philips Service						
Run No.	From	To	Quantity	Raceway (Conduit) Type	Cable Type	Minimum Raceway (Raceway) Size	Maximum Raceway (Raceway) Conduit Length	Special Requirements
C 61	WR2	ERB	1	G	Per N.E.C. Per N.E.C.			
C 62	CB2	JPS	1	P	Per N.E.C. Per N.E.C.			
C 63	CB2	ST	1	P	Per N.E.C. Per N.E.C.			
C 64	CB2	ST	1	S	Per N.E.C. Per N.E.C.			
C 65	JPS	CB	1	P	Per N.E.C. Per N.E.C.			
C 66	CE	MA	1	P	Per N.E.C. Per N.E.C.			Conduit must hit WR2 raceway.
C 67	JPS	MA	1	S	Per N.E.C. Per N.E.C.			
C 68	SBC	JPS	1	S	Per N.E.C. Per N.E.C.			For Signaling Box.

PHILIPS

Project Details
Project: Azurion 7 B2012, B2015 - Swivel - Intermountain Medical Center
Drawing Number: N-WES210091 E
Date: 1-27-2023
Author: R. Rajavelu
Checked: R. Rajavelu
Scale: As Shown



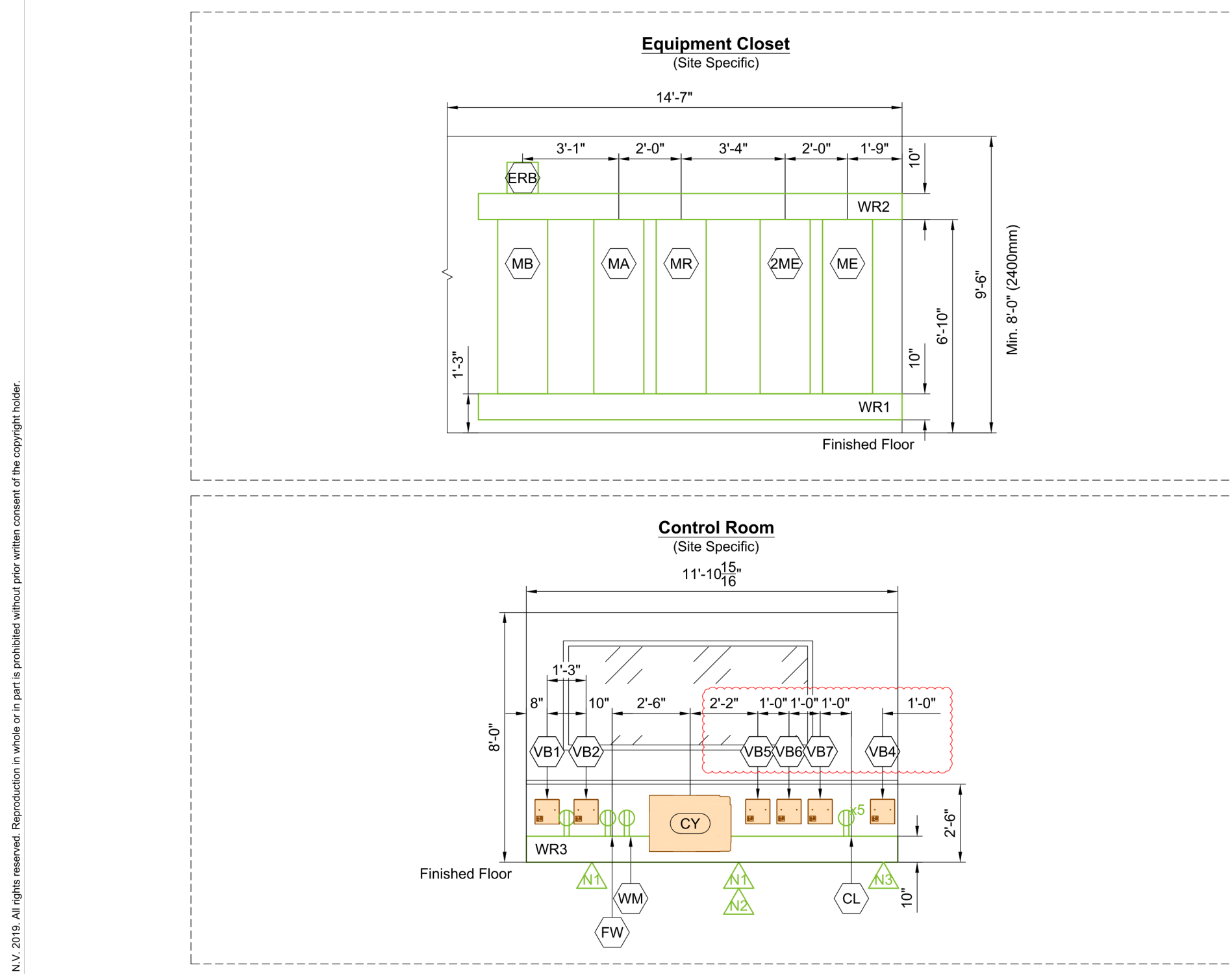
PHILIPS

Project: **Aurion 7 B2012, B2015 - Swivel - Catalyst Intermountain Medical Center**
Sail Lake City, UT
Room: Lab 3

Project Details:
Drawing Number: **N-WES210091 E**
Date Drawn: **4/20/23**
Quoted: **1:2PM/MSB/Rev. 18**
Order: **600059746 010000**
Drawn By: **Isabella Barua**

PHILIPS CONTACTS:
Project Manager: **Ray Koonce**
Contract Number: **(801) 440-0301**
Email: **ray.koonce@philips.com**
Drawn By: **Isabella Barua**

05.27.2022



Note: The use of 90 degree ells is not acceptable. Use 45 degree bends at all raceway corners. For raceway (conduit) runs, use the minimum bending radius specific to the raceway (conduit) diameter. The use of crossover tunnels at all applicable locations is required. The above mentioned recommendations will help to ensure the integrity of the cables and fiber optic runs.

• Counter-top Height Guide:
30" (765mm) for standard seated height.
36" (915mm) for standard standing height.
• Ensure that the wall junction boxes are mounted perpendicular to the floor.
• Verify exact ceiling height of Equipment and Control Room Area.
• Architect to coordinate with end users/technicians to determine final placement of control desk components prior to installation in order to avoid rework. Architect to coordinate with Philips Project Manager to reflect final placement on Philips drawings.

PHILIPS

Project: **Aurion 7 B2012, B2015 - Swivel - Catalyst Intermountain Medical Center**
Sail Lake City, UT
Room: Lab 3

Project Details:
Drawing Number: **N-WES210091 E**
Date Drawn: **4/20/23**
Quoted: **1:2PM/MSB/Rev. 18**
Order: **600059746 010000**
Drawn By: **Isabella Barua**

PHILIPS CONTACTS:
Project Manager: **Ray Koonce**
Contract Number: **(801) 440-0301**
Email: **ray.koonce@philips.com**
Drawn By: **Isabella Barua**

05.27.2022

Raceway (Conduit) Required

General Notes
1. All raceway (conduit) runs must take most direct route point to point.
A. Openings shall be made in walls, floors, or ceilings in accordance with the approved drawings.
B. Raceway (conduit) supported/installed by contractor - Philips cables installed by Philips.
C. Raceway (conduit) and cables supplied and installed by contractor.
D. Raceway (conduit) existing - cables supplied and installed by Philips.
E. Raceway (conduit) existing - cables supplied by Philips and installed by contractor.
F. Raceway (conduit) existing - cables supplied and installed by contractor.
G. Optional equipment, verify with local Philips Service.

Legend:
P Power (AC)
D Power (DC)
S Signal
H High Tension
C Cooling Hose
A Air Supply Hose

Run No.	From	To	Raceway (Conduit) Quantity	Cable Type	Minimum Raceway (Conduit) Size	Maximum Raceway (Conduit) Length	Special Requirements
C 1	ERB	CE	1	G	1 1/2"	6'	
C 2	ERB	WL	1	G	1 1/2"	-	See Sheet "ED2" for details.
C 3	MA	WL	1	P	1 1/2"	55'	
C 4	ATY	DS	1	S	1 1/2"	55'	
A 5	ATY	MA	1	S	2 1/2"	41'	
A 6	ATY	TV	1	S	1 1/2"	65'	
A 7	SP	ME	2	C	1 1/2"	44'	Tube Cooling Hoses.
A 8	SP	ME	1	P/G	1 1/2"	52'	
A 9	SP	ME	1	S	1"	52'	
A 10	SP	ME	1	H	2 1/2"	50'	High Tension Cables.
A 11	SP	MR	1	P/G	2"	47'	
A 12	SP	MR	1	S	2 1/2"	47'	
A 13	SP	MA	1	S	2"	50'	
A 14	MSA	MA	1	S	3"	39'	
A 15	MSA	MA	1	P	1 1/2"	39'	
A 16	MSA	MR	1	P/G	2"	39'	
A 17	MSA	MR	1	S	2"	39'	
A 18	TV	MA	1	P	1 1/2"	55'	
A 19	TV	MA	1	S	2 1/2"	55'	
A 20	TV	MR	1	P	2"	55'	
A 21	TV	MR	1	S	1 1/2"	55'	For FlexVision XL.
A 22	TV	MR	1	P/G	1 1/2"	55'	
A 23	TV	WM	1	S	1 1/2"	65'	For Interm.
A 24	CY	MA	1	S	2"	55'	Conduits to land on wall raceway adjacent to CY.
A 25	CY	MA	1	P/G	1 1/2"	55'	Conduits to land on wall raceway adjacent to CY.
A 26	CY	MA	1	S	2 1/2"	55'	Conduits to land on wall raceway adjacent to CY.
A 27	MR	WM	1	S	1 1/2"	82"	Conduits to land on wall raceway adjacent to CY.
A 28	PB	ZME	1	H	2 1/2"	47'	High Tension Cables.
A 29	PB	ZME	1	S	1"	49'	
A 30	PB	ZME	1	P/G	1"	49'	

PHILIPS

Project: **Aurion 7 B2012, B2015 - Swivel - Catalyst Intermountain Medical Center**
Sail Lake City, UT
Room: Lab 3

Project Details:
Drawing Number: **N-WES210091 E**
Date Drawn: **4/20/23**
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Order: **600059746 010000**
Drawn By: **Isabella Barua**

PHILIPS CONTACTS:
Project Manager: **Ray Koonce**
Contract Number: **(801) 440-0301**
Email: **ray.koonce@philips.com**
Drawn By: **Isabella Barua**

05.27.2022

Raceway (Conduit) Required

General Notes
1. All raceway (conduit) runs must take most direct route point to point.
A. Openings shall be made in walls, floors, or ceilings in accordance with the approved drawings.
B. Raceway (conduit) supported/installed by contractor - Philips cables installed by Philips.
C. Raceway (conduit) and cables supplied and installed by contractor.
D. Raceway (conduit) existing - cables supplied and installed by Philips.
E. Raceway (conduit) existing - cables supplied by Philips and installed by contractor.
F. Raceway (conduit) existing - cables supplied and installed by contractor.
G. Optional equipment, verify with local Philips Service.

Legend:
P Power (AC)
D Power (DC)
S Signal
H High Tension
C Cooling Hose
A Air Supply Hose

Run No.	From	To	Raceway (Conduit) Quantity	Cable Type	Minimum Raceway (Conduit) Size	Maximum Raceway (Conduit) Length	Special Requirements
C 61	WR2	ERB	1	G	Per N.E.C.	Per N.E.C.	
C 62	CB2	JPS	1	P	Per N.E.C.	Per N.E.C.	
C 63	CB2	ST	1	P	Per N.E.C.	Per N.E.C.	
C 64	JPS	ST	1	S	Per N.E.C.	Per N.E.C.	
C 65	JPS	CB	1	P	Per N.E.C.	Per N.E.C.	
C 66	CB	MA	1	P	Per N.E.C.	Per N.E.C.	Conduit must hit WR2 raceway.
C 67	JPS	MA	1	S	Per N.E.C.	Per N.E.C.	
C 68	SBC	JPS	1	S	Per N.E.C.	Per N.E.C.	For Signaling Box.

PHILIPS

Project: **Aurion 7 B2012, B2015 - Swivel - Catalyst Intermountain Medical Center**
Sail Lake City, UT
Room: Lab 3

Project Details:
Drawing Number: **N-WES210091 E**
Date Drawn: **4/20/23**
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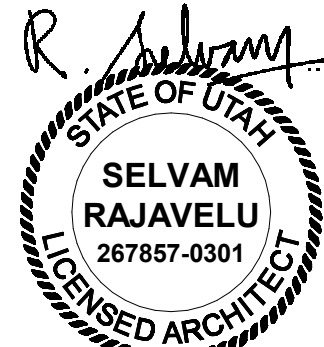
05.27.2022

Intermountain Health
Intermountain Medical Center
Angio Lab #3 Remodel Project
5121 South Cottonwood Street
Murray, UT 84107

NJRA Project # 22247.00
Construction Documents June 30, 2023

Philips
Equipment

Q107



Power Quality Requirements (Mains 40E Cabinet)	
Maximum Rated Power	100kW
Supply Configuration	3 phase, equally sized insulated power conductors and an insulated equipment grounding conductor. Insulated grounding conductor shall have the same or larger size than line conductors. Line wires shall be no smaller than 6 AWG, 90°C temperature or higher temperature rating. The conductor size is dependent on the upstream circuit breaker rating. Minimum 4 AWG for 80A circuit breaker rating.
Nominal Line Voltage	480 VAC, 60 Hz
Line Voltage Variation	Voltage variations are never to exceed ±10%, when measured using 10 minute mean RMS values with a measurement window of 1 week. At least 95% of all measured 10 minute mean RMS values shall be within ±5% of the configured nominal voltage.
Line Voltage Balance	2% maximum of nominal voltage between phases
Frequency Variation	± 1.0 Hz
Voltage Surges	To 110% of steady-state voltage 100 msecs. Maximum duration, 6 per hour max.
Voltage Sags	To 90% of steady-state voltage 100 msecs. Maximum duration, 6 per hour max.
Line Impulses	1000 VPK above phase-neutral RMS absolute maximum. No more than 1 impulse per hour to exceed 500 VPK.
Neutral-Ground Voltage	2.0V maximum RMS value
Neutral-Ground Impulses	No more than 1 per hour that exceeds 25V and 1 milli-Joule
High Frequency Noise	3.0V steady-state maximum. Over 3.0V permitted for 100 msec. maximum, 1 per hour max.
Grounded Conductor Impedance	0.1 Ohms @ 60 Hz maximum

Branch Circuit and Wire Gauge Requirements (Mains 40E Cabinet)	
Branch Power	100 kVA (System only; verify UPS power requirements)
Max. Standby Current	8A per phase
Circuit Breaker (CB)	3 Phase, Type D 80A with long-time delay
For information only: Terminal block accommodates AWG 00 to AWG 4 in mains cabinet. Engineer of record responsible for calculating phase conductor and equipment ground conductor sizes. Recommended phase conductor and equipment ground conductor sizes for 1% impedance of supply conductors to circuit breaker (CB).	
Max. Instantaneous Power (at X-ray tube power 100 kV 1000mA current)	100 kW
Max. Inst. Current @ CB (RMS value over half-cycle)	300A @ 480V
Max. Phase-phase impedance @ CRC	0.455 Ω
Long Term Rating	63A at 480V
Momentary Rating (using a window of 5 seconds)	125A at 480V

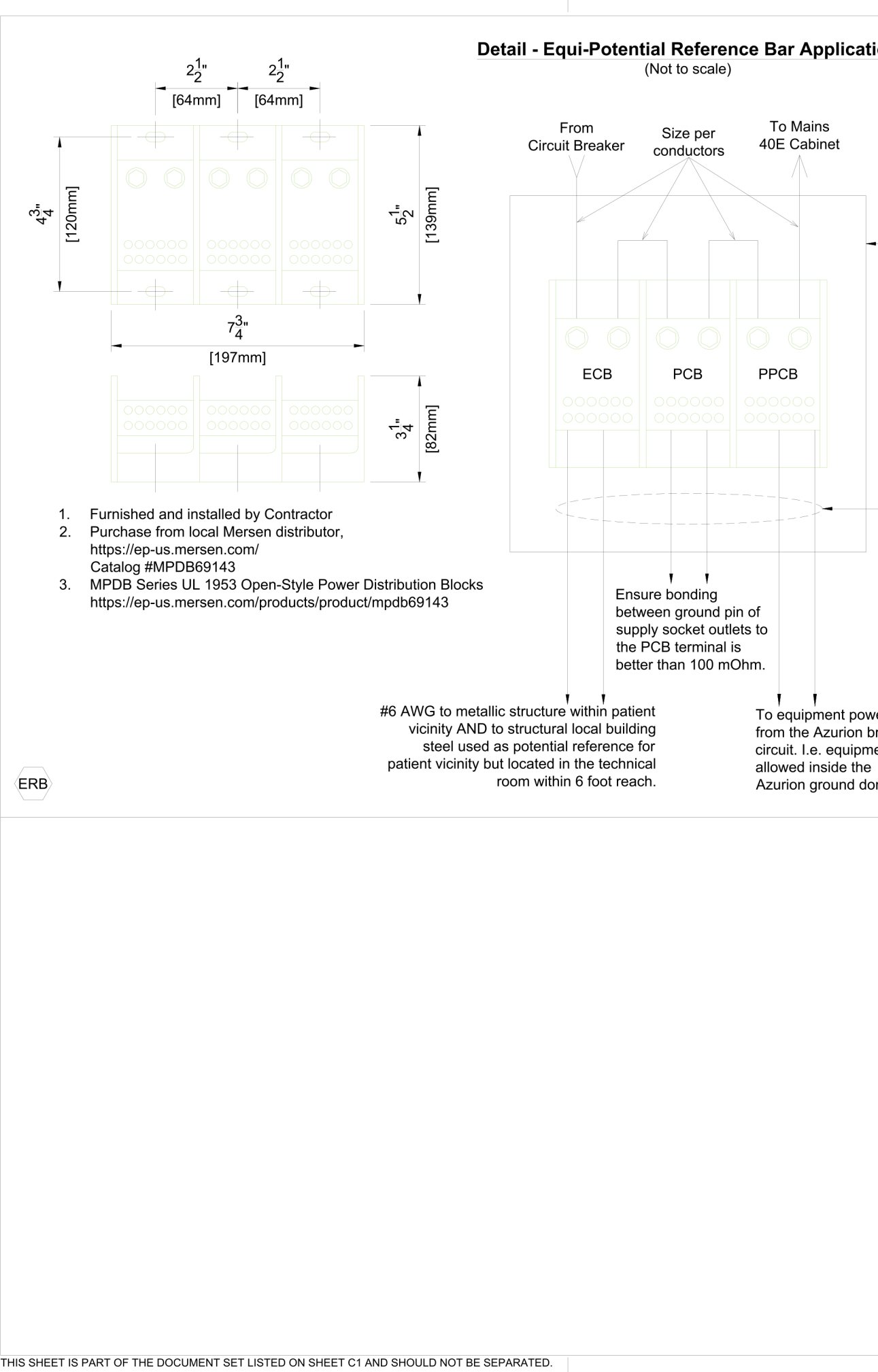
PHILIPS

Project: **Acunon 7 B2012, B2015 - Swivel - Catalyst**
 Intermountain Medical Center
 Salt Lake City, UT
 Room: Lab 3

Philips Contacts:
 Project Manager: Roy Kroon
 Contact Number: (801) 440-0281
 Email: roy.kroon@philips.com
 Drawn By: Isabelle Bruno
 Order: 690505748.01000

Project Details:
 N-WES210091 E
 Date Drawn: 4/5/2023
 Order: 690505748.01000

ED1
05.27.2022



Detail - Equip-Potential Reference Bar Application
(Not to scale)

Invasive Procedures

This equipment may be used for invasive procedures, therefore, the area to be installed is classified as critical care area per NFPA-99 and NFPA-70 (NEC). These documents specify maximum touch voltages and ground impedance in these areas.

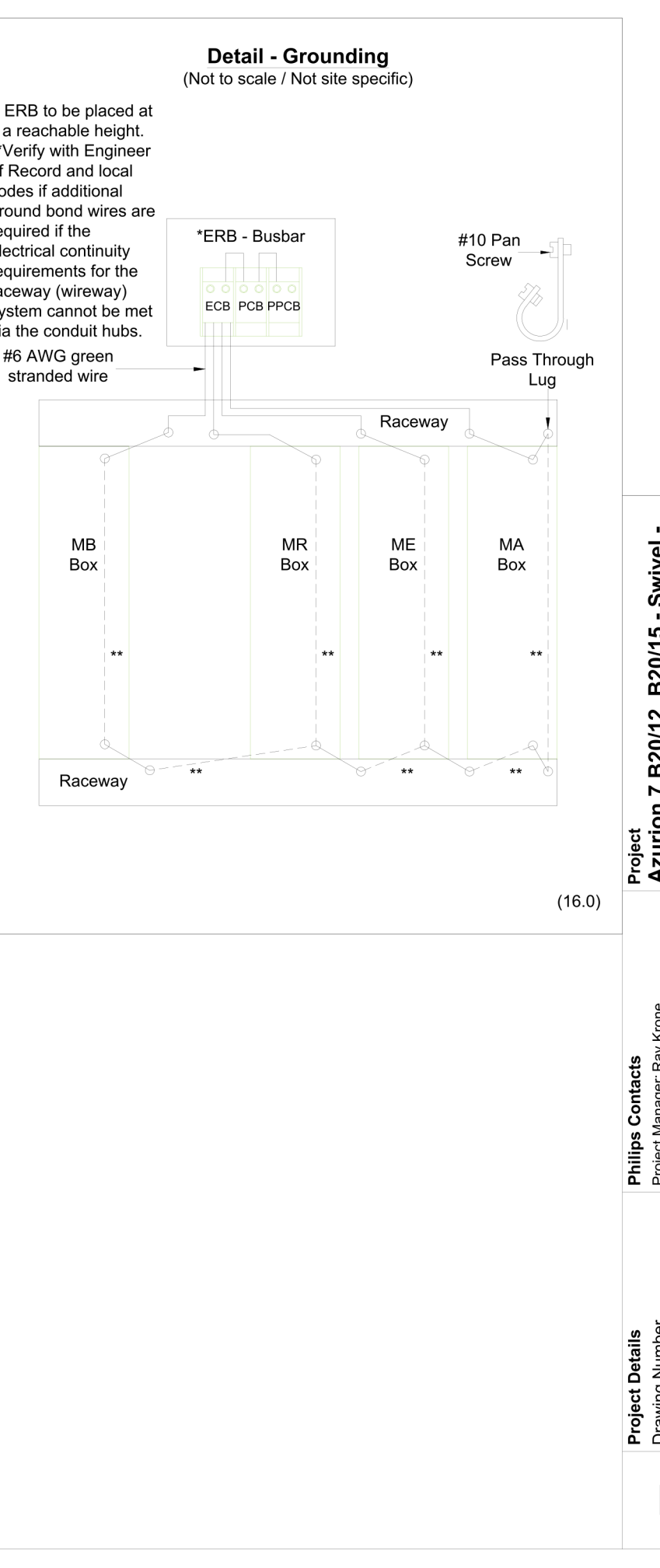
Test performed by GSSNA service require that these specifications are met by the GSSNA equipment. It is the facility's responsibility to ensure that these specifications are met by the wall outlet, facility structure, and other equipment not installed by GSSNA.

The GSSNA specified "Equip-Potential Reference Bar (ERB)" serves as a ground reference for GSSNA equipment. It may also serve as the "Reference Grounding Point" of the room as defined in NFPA 99-3.3.140 for non-Philips Healthcare equipment.

Equip-Potential Reference Bar (ERB)
 A) Equip-Potential Conductor Bar (ECB)
 B) Protective Conductor Bar (PCB)
 C) Philips Protective Conductor Bar (PPCB)

ERB to be placed at a reachable height.
 **Verify with Engineer of Record and local codes if additional ground bond wires are required if the electrical continuity requirements for the raceway (wireway) system cannot be met via the conduit hubs.
 #6 AWG green stranded wire

* ERB to be placed at a reachable height.
 **Verify with Engineer of Record and local codes if additional ground bond wires are required if the electrical continuity requirements for the raceway (wireway) system cannot be met via the conduit hubs.
 #6 AWG green stranded wire



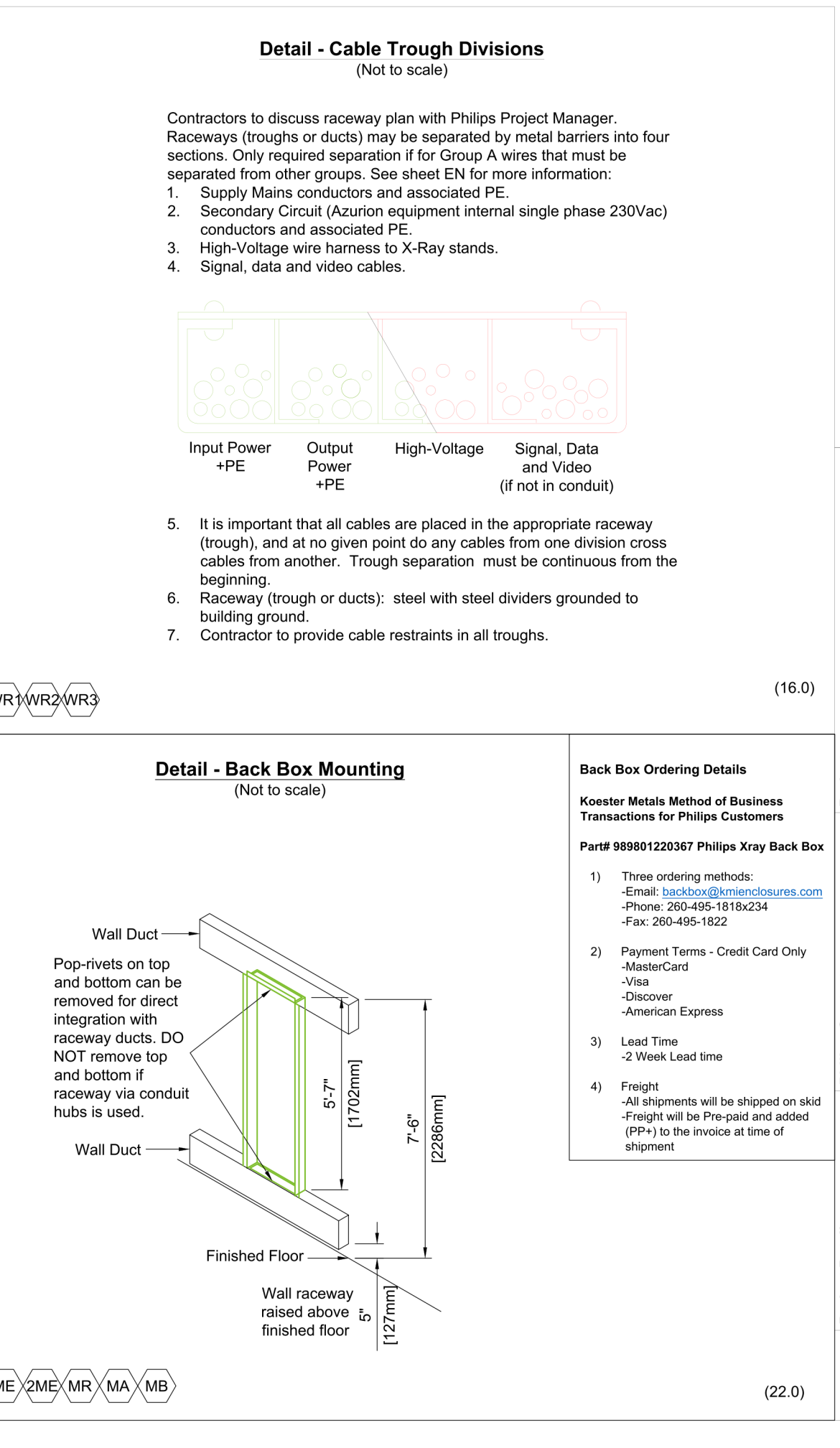
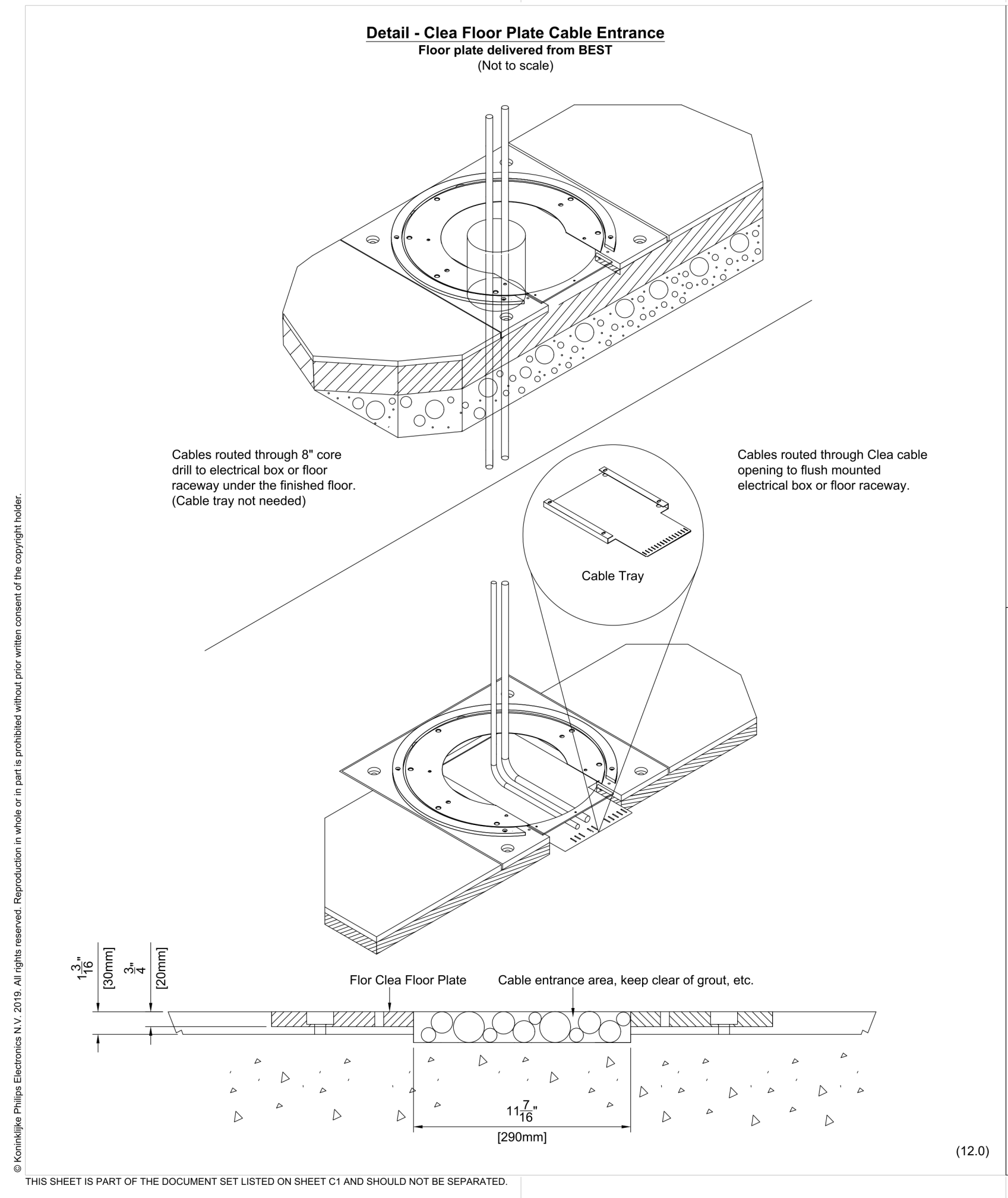
PHILIPS

Project: **Acunon 7 B2012, B2015 - Swivel - Catalyst**
 Intermountain Medical Center
 Salt Lake City, UT
 Room: Lab 3

Philips Contacts:
 Project Manager: Roy Kroon
 Contact Number: (801) 440-0281
 Email: roy.kroon@philips.com
 Drawn By: Isabelle Bruno
 Order: 690505748.01000

Project Details:
 N-WES210091 E
 Date Drawn: 4/5/2023
 Order: 690505748.01000

ED2
05.27.2022



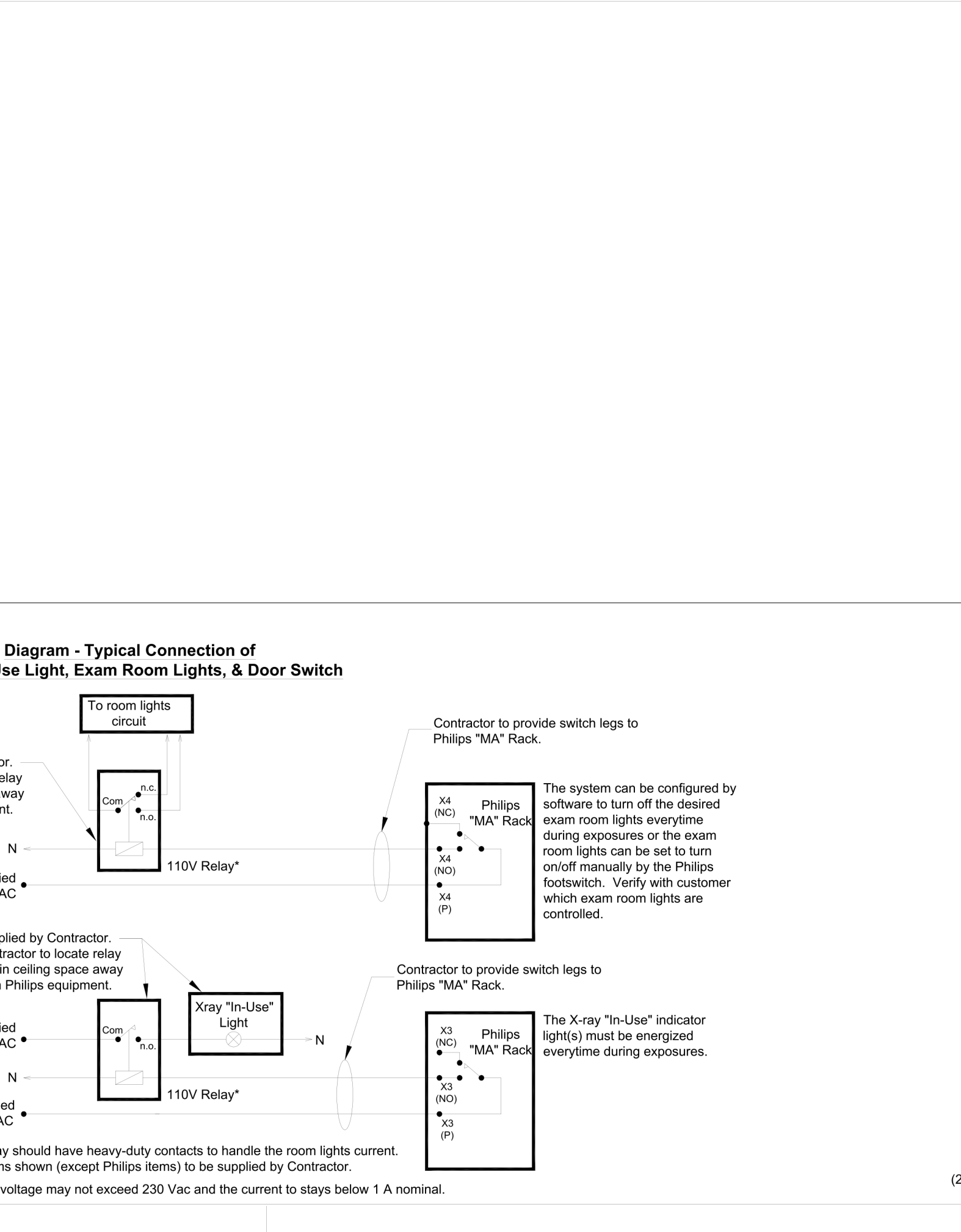
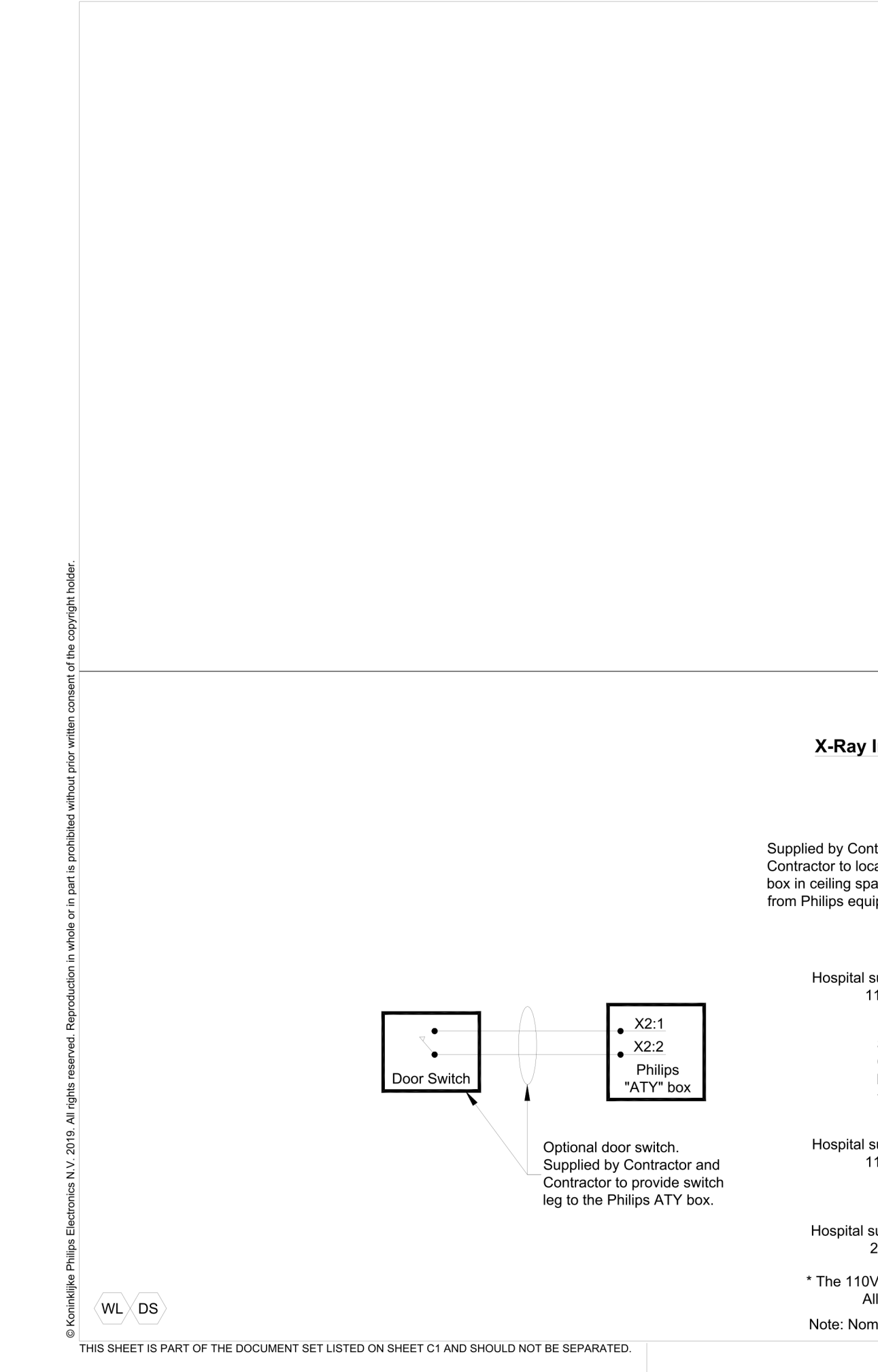
PHILIPS

Project: **Acunon 7 B2012, B2015 - Swivel - Catalyst**
 Intermountain Medical Center
 Salt Lake City, UT
 Room: Lab 3

Philips Contacts:
 Project Manager: Roy Kroon
 Contact Number: (801) 440-0281
 Email: roy.kroon@philips.com
 Drawn By: Isabelle Bruno
 Order: 690505748.01000

Project Details:
 N-WES210091 E
 Date Drawn: 4/5/2023
 Order: 690505748.01000

ED3
05.27.2022



PHILIPS

Project: **Acunon 7 B2012, B2015 - Swivel - Catalyst**
 Intermountain Medical Center
 Salt Lake City, UT
 Room: Lab 3

Philips Contacts:
 Project Manager: Roy Kroon
 Contact Number: (801) 440-0281
 Email: roy.kroon@philips.com
 Drawn By: Isabelle Bruno
 Order: 690505748.01000

Project Details:
 N-WES210091 E
 Date Drawn: 4/5/2023
 Order: 690505748.01000

ED4
05.27.2022

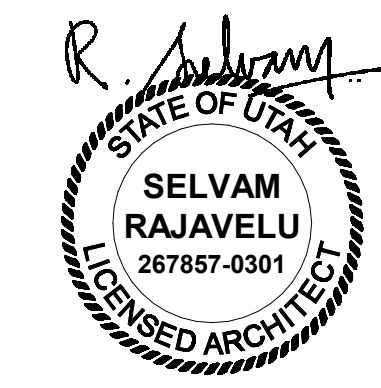
Intermountain Health
 Intermountain Medical Center
 Angio Lab #3 Remodel Project

5121 South Cottonwood Street
 Murray, UT 84107

NJRA Project # 22247.00
 Construction Documents June 30, 2023

Philips
 Equipment

Q108



PHILIPS

Project Details
Azurion 7 B20/12, B20/15 - Swivel -
Cath Lab
Intermountain Medical Center
Salt Lake City, UT
Room: Lab 3

Project Manager: Ray Rome
Drawing Number: 227427-0001
Date: 05/20/23
Order: 127M456 Rev. 18
Drawn By: Isabelle Bruno
Order: 600559748 010000

N1
05.27.2022

Philips Collaboration Live

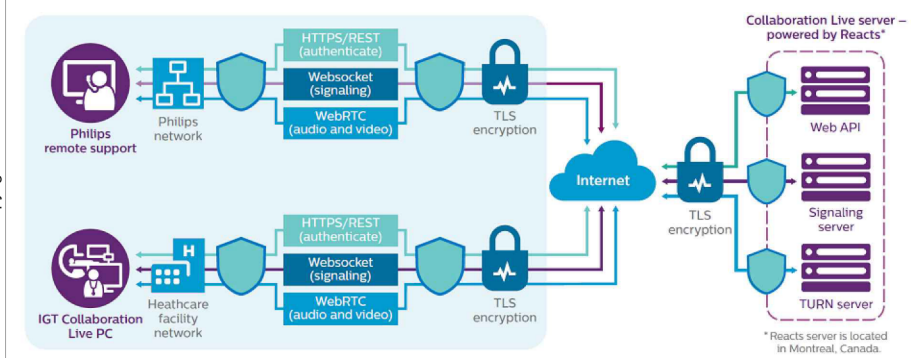
1. Collaboration Live Server - powered by Reacts

The Collaboration Live server is a cloud-hosted enterprise solution that provides contact management, secure connectivity and streaming services for Collaboration Live text, audio and video features. This server is accessed from a separate PC installed in the Azurion control room and remote client end-points over the internet using an industry standard TLS method of connectivity. The server is hosted by IT (Innovative Imaging Technologies, Montreal, Canada).

2. Connectivity

In order to connect to the Collaboration Live server, the system will need access from within the healthcare facility network to the internet for outbound connections over port 443, and UDP and TCP protocol must be allowed. We recommend whitelisting the following domains:
-ireacts.com
-reacts.com
The minimum bandwidth of 0.5 Mbit/s upload and 0.5 Mbit/s download is required for connectivity. The recommended bandwidth for optimal performance is 1.5 Mbit/s upload and 1.5 Mbit/s download.

Collaboration Live Network Diagram



The privacy policy of IT Reacts is available online: <https://ireacts.com/privacy-policy>

The security overview of IT Reacts is available online from the Security and Privacy Page: <https://ireacts.com/security-overview>

PHILIPS

Project Details
Azurion 7 B20/12, B20/15 - Swivel -
Cath Lab
Intermountain Medical Center
Salt Lake City, UT
Room: Lab 3

Project Manager: Ray Rome
Drawing Number: 227427-0001
Date: 05/20/23
Order: 127M456 Rev. 18
Drawn By: Isabelle Bruno
Order: 600559748 010000

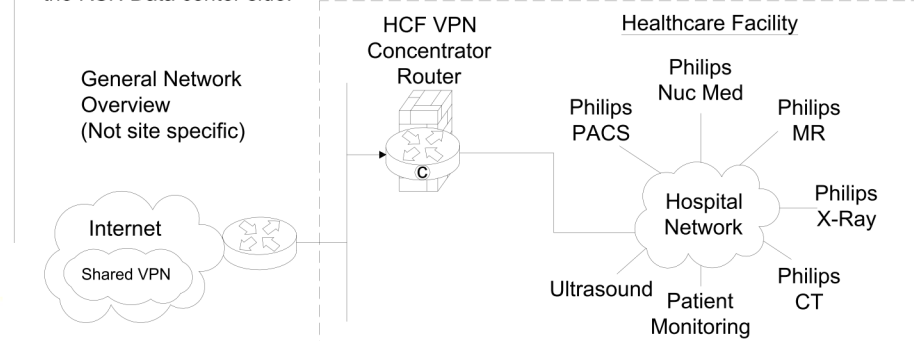
ED5
05.27.2022

Philips Healthcare Remote Services Network (RSN)

Secure broadband connection required for Philips remote technical support, diagnostics, and applications assistance

Broadband Site-to-Site Connectivity (Preferred)

This connectivity method is designed for customers who prefer a connection from the RSN Data Center to the Health Care Facility (HCF) utilizing their existing VPN equipment.

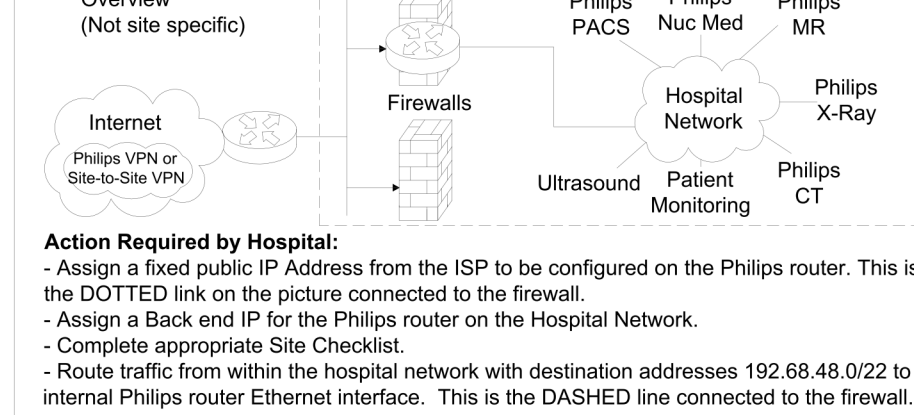


Action Required by Hospital:
- Review and approve connection details.
- Complete appropriate Site Checklist.
- Configure and allow Site-to-Site access prior to setting up connectivity depending on the access criteria that the HCF decides to implement (ex: Source IP filtering, destination IP filtering, NAT assignment, etc).
- Route traffic from within the hospital network with destination addresses 192.68.48.0/22 to the designated IP provided by Philips.

Broadband Router Installed at Health Care Facility

This connectivity method is designed for customers who have a dedicated high speed connection for Philips equipment.

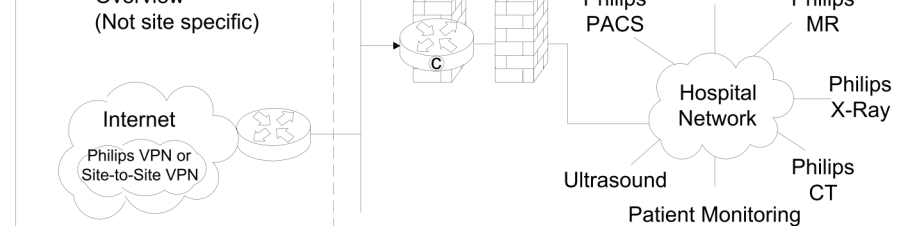
Action Required by Hospital:
- Assign a fixed public IP Address from the ISP to be configured on the Philips router. This is the DOTTED link on the picture connected to the firewall.
- Assign a Back end IP for the Philips router on the Hospital Network.
- Route traffic from within the hospital network with destination addresses 192.68.48.0/22 to internal Philips router Ethernet interface. This is the DASHED line connected to the firewall.
- Configure and allow on the firewall on the DASHED line interface access between the IP address allocated by the hospital to the Philips internal Ethernet router interface and the target modality IP address.



Action Required by Hospital:
- Assign a fixed public IP Address from the ISP to be configured on the Philips router. This is the DOTTED link on the picture connected to the firewall.
- Assign a Back end IP for the Philips router on the Hospital Network.
- Complete appropriate Site Checklist.
- Route traffic from within the hospital network with destination addresses 192.68.48.0/22 to internal Philips router Ethernet interface. This is the DASHED line connected to the firewall.

Option 2: Back End Connected to the HCF Firewall Connectivity Method

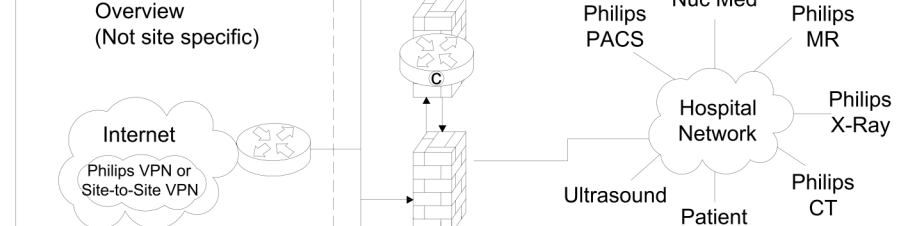
This connectivity method is designed for customers who prefer a RSN Router installed on site by setting up an IP-Based policy allowing access through existing HCF Firewall to Philips equipment.



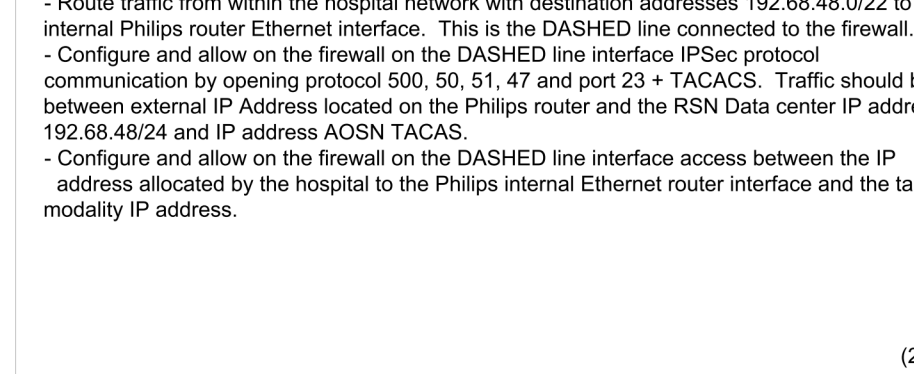
Action Required by Hospital:
- Assign a fixed public IP Address from the ISP to be configured on the Philips router. This is the DOTTED link on the picture connected to the firewall.
- Assign a Back end IP for the Philips router on the Hospital Network.
- Complete appropriate Site Checklist.
- Route traffic from within the hospital network with destination addresses 192.68.48.0/22 to internal Philips router Ethernet interface. This is the DASHED line connected to the firewall.
- Configure and allow on the firewall on the DASHED line interface access between the IP address allocated by the hospital to the Philips internal Ethernet router interface and the target modality IP address.

Option 3: Router Installed Inside the HCF's DMZ

This connectivity method is designed for customers who prefer the RSN Router installed inside and existing, or new DMZ, allowing access to Philips equipment.



Action Required by Hospital:
- Assign a fixed public IP Address from the ISP to be configured on the Philips router. This is the DOTTED link on the picture connected to the firewall.
- Assign a Back end IP for the Philips router on the Hospital Network.
- Complete appropriate Site Checklist.
- Route traffic from within the hospital network with destination addresses 192.68.48.0/22 to internal Philips router Ethernet interface. This is the DASHED line connected to the firewall.
- Configure and allow on the firewall on the DASHED line interface access between the IP address allocated by the hospital to the Philips internal Ethernet router interface and the target modality IP address.



Action Required by Hospital:
- Assign a fixed public IP Address from the ISP to be configured on the Philips router. This is the DOTTED link on the picture connected to the firewall.
- Assign a Back end IP for the Philips router on the Hospital Network.
- Complete appropriate Site Checklist.
- Route traffic from within the hospital network with destination addresses 192.68.48.0/22 to internal Philips router Ethernet interface. This is the DASHED line connected to the firewall.

PHILIPS

Project Details
Azurion 7 B20/12, B20/15 - Swivel -
Cath Lab
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Room: Lab 3

Project Manager: Ray Rome
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Date: 05/20/23
Order: 127M456 Rev. 18
Drawn By: Isabelle Bruno
Order: 600559748 010000

CHK
05.27.2022

Instructions

This form is to be used by Project Manager, Contractor, and Service Engineer. Information is used to develop and determine site ready date.

Be sure to contact the Zone Installation Specialist (ZIS), Field Service Engineer (FSE), or National Support Specialist (NSS) if you have questions concerning any of these checklist items.

Site Readiness Checklist

- Cable Trough/Raceway/Conduit:** Installed, cleaned and obstructions checked per Philips Final Drawings. Duct covers in place. Cable openings are clear, without sharp edges. **Greenlee** pull strings/measuring tape, (Part # 435, or equivalent), are in place.
- Ceiling (Hard):** Installed and painted.
- Ceiling (Drop-In):** Installed.
- Customer Site Preparation:** Verified per Philips Final Drawings.
- Delivery Path and Truck Parking:** Has been checked with the customer and lead FSE including verifying floor loading, delivery route, elevator capacity, height, width and depth clearances, and a plan for bad weather.
- Doors:** Installed.
- Drawings (Final):** Shows all room obstacles to include millwork, lighting overlay, structure overlay, med gases and plumbing.
- Floors:** Installed and covered with protective covering (i.e. scratch protection).
- Glass:** Installed.
- Installation Team:** Has received the room drawings and necessary contact phone numbers.
- Millwork:** Completely installed in all rooms.
- Parking:** Parking area identified for installers.
- Performance Testing Requirements Identified:** Determine if Certificate of Compliance is required, (i.e. NEMA, OSHPD, AHCA).
- Permits and Inspections:** Completed by applicable governing authorities. Method statement available and safety meetings attended (OSHPD, AHCA).
- Philips Project Space:** Is clean, free of dust, all construction-related debris and tools have been removed.
- Restroom Facilities:** Toilet facilities, including area to wash up, are available.
- Room Lighting:** Installed and operational.
- Room Security:** Room is secure, with keys and alarm codes provided.
- Site Access:** Is available for after hours. Storage for tools, parts, covers and packing material has been arranged.
- Site is Safe to Work:** PPE requirements identified (Construction and Hospital). No open Mains, slippery floors, sharp edges, or hazardous goods on site.
- Sprinklers:** Installed.
- Transport & Handling Tools:** Crane, forklift, wheels and trolleys have been specified with the LMP/irriging company.
- Walls:** Installed and final finished, (i.e. final coat painted and/or tiled).
- Existing Equipment:** Is dismantled and removed from the site.
- Floor Levelness:** Checked with Laser Level and is level per Philips Final Drawings.
- System Orientation:** Verified per Philips Final Drawings.
- Table Isocenter:** Verified per Philips Final Drawings.
- ERB Conductor Bar:** Installed per Philips Final Drawings. All Philips-provided electrical boxes and contractor-provided raceway are grounded to the ERB.
- Mains Power Supply:** Installed per Philips Final Drawings. (Including impedance, isolated grounds, wire size verified, and distribution unit has been installed).
- UPS:** Fully installed per Philips Final Drawings, and startup has been scheduled with vendor.

- Video Connection Boxes:** Locations, video sources, and display destinations are verified with customer, and the Philips Final Drawings are updated with the information.
- 3rd Party Booms (if applicable):** Compatibility, locations, and isolation kits have been verified with boom vendor and the Philips Final Drawings are updated with the information. If required, a "Request for Modification" has been submitted.
- 3rd Party Booms (if applicable):** Installed prior to Philips equipment delivery.
- Ceiling Height:** Verified per Philips Final Drawings. Single plane measure from finished floor to bottom of Unistrut. For Bi-Plane, from Cais plate to bottom of Unistrut.
- Ceiling Obstructions:** Verify there are no obstructions where Philips rails will be installed.
- Ceiling Plate for Equipment Rack (EP Boom) (if applicable):** Installed and leveled per Philips Final Drawings.
- Calling Unistruts (P1601 or equal):** Installed and leveled per Philips Final Drawings.
- Clearances:** Verified to the closest obstacles (i.e. walls, cabinets), in order to lift up the C-arm, monitor support, etc.
- Fixing Blocks:** Provided by Philips, verify the block properly sits in the Unistrut channel with no obstructions, as designed.
- FlexArm Clearance (if applicable):** Verified per Philips Final Drawings.
- FlexMove (if applicable):** Must order Ceiling/Floor levelness kit, complete form and submit.
- Floor Plates:** Patient Support and Stand (if applicable), are installed, isolated, and leveled, at the correct locations per Philips Final Drawings.
- Med Gas Box (if applicable):** Location does not interfere with the installation and movement of the Philips equipment. The Philips Final Drawings are updated with the location.
- Back Boxes:** Installed with required covers and grommet material per Philips Final Drawings. Specifically, the spacing between the boxes and height off of finished floor.
- ERB Grounding Block:** Installed within 6 feet of building steel, and non-Philips-provided electrical equipment ground conductors, to include wall outlets installed per Philips Final Drawings.
- Hospital Mains Supply Wiring:** For Allura R8.2 and Azurion systems, installed per Philips Final Drawings, for connection in Cabinet Rear Cover (CRC) of MA-Cabinet.
- Hospital Mains Supply:** For system versions prior to Allura R8.2 (in the USA), the Hospital Mains must be available for connection at the PDU or gspPDU, and then to MA & ME-Cabinets (by the electrician).

Required Prior to Philips System Power Up

- Wall Outlets:** Installed and functional.
- Door Interlock Switch:** If required, is installed per Philips Final Drawings.
- X-Ray in Use or Warning Light:** If required, is installed per Philips Final Drawings.

Required Prior to Install Complete

- Physicist:** If required, verify the Physicist has been scheduled.
- Network Connections:** Hardware is installed and active per Philips Final Drawings. All network information provided by facility IT, i.e. IP addresses (static IPs only), AE Titles, SNM, GTVY and DNS server are available.
- UPS:** Commissioned and certified by UPS vendor.

Approved for Delivery

Project Manager	Date
Service Engineer	Date

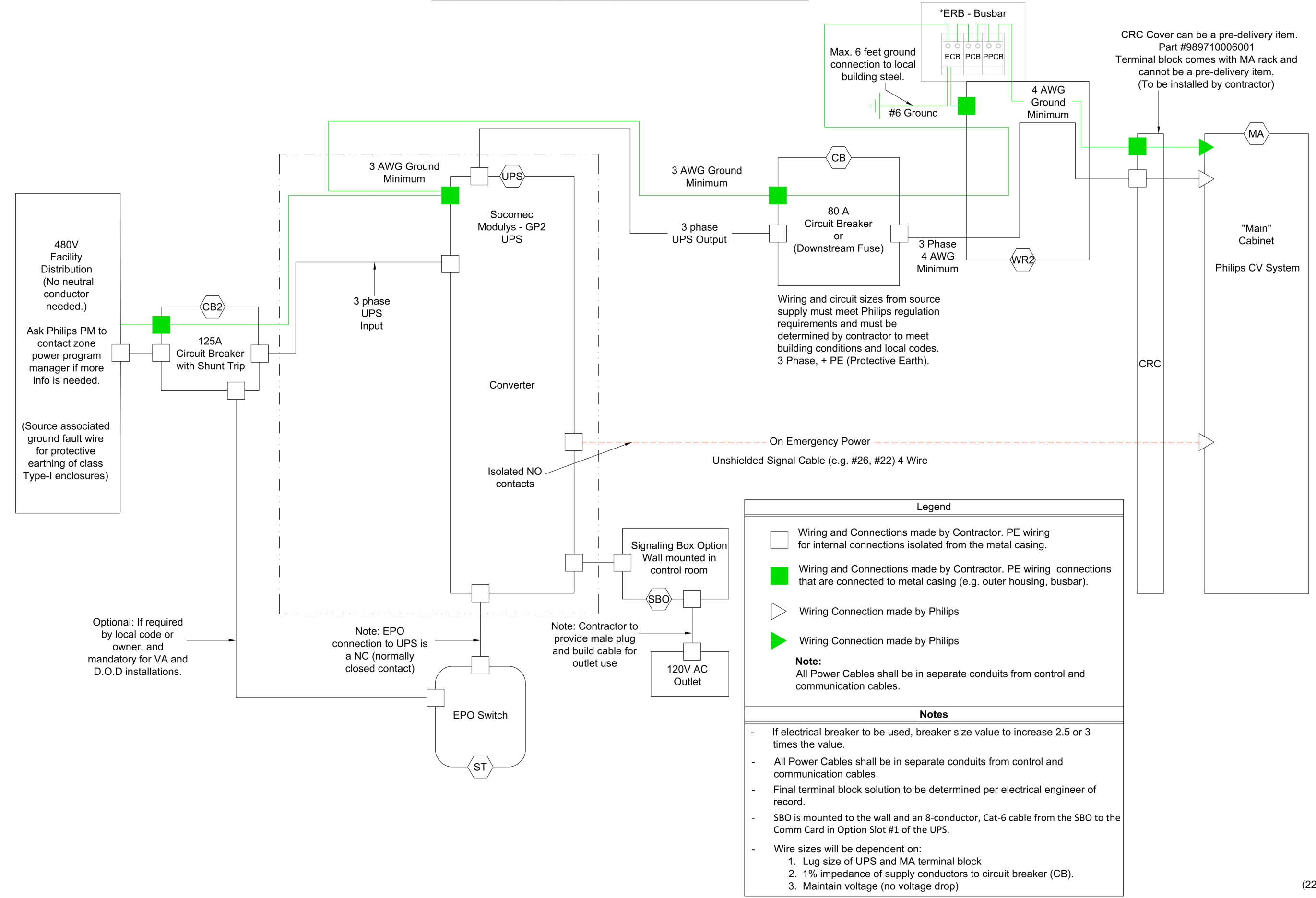
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N2
05.27.2022

Diagram - Connection Diagram Modulus - GP2 UPS 480V - Socomec LFP UPS



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THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED.

System Network Information

IMPORTANT NOTE: It is the customer's responsibility to coordinate with the local Philips Engineer to provide ALL required network information and install ALL required network cabling & drops according to Philips specifications PRIOR to the scheduled installation start date. Failure to do so may delay system installation and jeopardize the customer hand over date.

Azurion	IP Sec	[] yes	[] no
XperIM			
Physical Location:	Location 1	Location 2	Location 3
Hostname:			
MAC Address:			
IP Address:			
Netmask:			
Gateway:			
AE Title:			
Port Number (5101):			
XtraVision			
Physical Location:			
Hostname:			
MAC Address:			
IP Address:			
Netmask:			
Gateway:			
AE Title XtraVision:			
Port Number (3110):			
AE Title for X-Ray Mod:			
IP for X-Ray Modality:			
EP Navigator			
Physical Location:			
Hostname:			
MAC Address:			
IP Address:			
Netmask:			
Gateway:			
AE Title XtraVision:			
Port Number (3110):			
AE Title for X-Ray Mod:			
IP for X-Ray Modality:			
PACS			
Physical Location:			
Hostname:			
MAC Address:			
IP Address:			
Netmask:			
Gateway:			
AE Title:			
Port Number:			
View Forum			
Physical Location:			
Hostname:			
MAC Address:			
IP Address:			
Netmask:			
Gateway:			
AE Title:			
Port Number:			
Time Synchronization			
Physical Location:			
Hostname:			
IP Address:			
AE Title:			
Port Number:			
RIS			
Physical Location:			
Hostname:			
MAC Address:			
IP Address:			
Netmask:			
Gateway:			
AE Title:			
Port Number:			
Encryption			
Secure Node:			
Encryption:			
Certificate Name:			
PPSM IHE Compatible:			
Hospital Network			
Scheme (https):			
IP Address (192.68.48.50):			
Port Number:			
Use Proxy Server:			
- IP Address:			
- Port Number:			
- User Name:			
- Password:			

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